

Spectral Beam Combination of Broad-Stripe Laser Diodes

ABSTRACT OF THE DISCLOSURE

A method and apparatus for improving the beam quality of the emissions from a multimode gain medium such as a broad-stripe laser through the use of SBC techniques is provided. In order to achieve the desired beam quality without a significant
5 reduction in output power, discrete lasing regions are formed across the gain medium using an etalon or similar device located within the SBC cavity.

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